

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 July 2004 (01.07.2004)

PCT

(10) International Publication Number
WO 2004/054393 A3

(51) International Patent Classification⁷: A24C 5/18, 5/39

(74) Agents: JORIO, Paolo et al.; STUDIO TORTA S.r.l., Via
Viotti, 9, I-10121 TORINO (IT).

(21) International Application Number:

PCT/EP2003/051004

(22) International Filing Date:

15 December 2003 (15.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

BO2002A000790

16 December 2002 (16.12.2002) IT

(71) Applicant (for all designated States except US): G.D
SOCIETA' PER AZIONI [IT/IT]; Via Battindamo, 91,
I-40133 BOLOGNA (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MANSERVIGI,
Alberto [IT/IT]; Via Vallescura, 41, I-40100 BOLOGNA
(IT). PARESCHI, Cristina [IT/IT]; Via Olimpia Morata,
19, I-44100 FERRARA (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

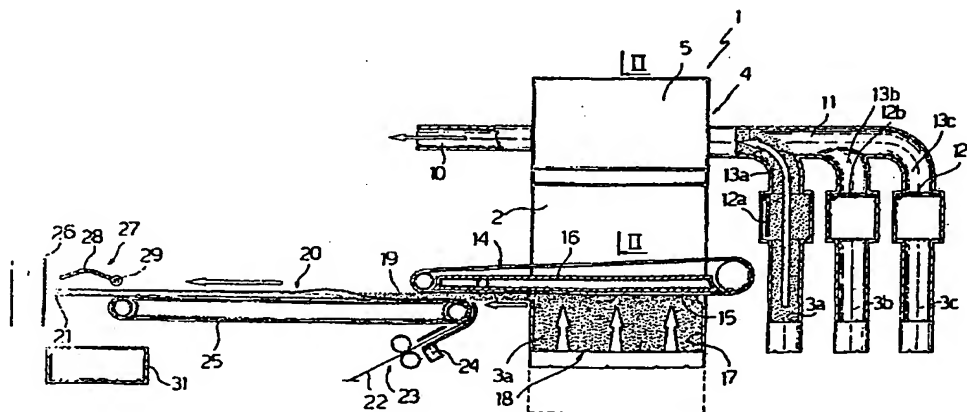
(84) Designated States (regional): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: PRODUCT CHANGE METHOD FOR A CIGARETTE MANUFACTURING MACHINE



(57) Abstract: A product change method for a cigarette manufacturing machine (1), wherein an input hopper (2) receives a first type (3a) of shredded tobacco from a supply header (4), and feeds it to at least one channel (17) for forming, on a conveyor (14), a bead (19) of tobacco, which is released onto a paper strip (22) travelling along a forming table (20) for forming a continuous cigarette rod (21); the method provides for cutting off supply of the first type (3a) of shredded tobacco to the header (4); emptying the header (4), cutting off communication between the header (4) and the input hopper (2), cutting off supply of the paper strip (22), keeping the manufacturing machine (1) running to form a waste stream (30) of shredded tobacco of the first type (3a) and empty the manufacturing machine (1), and feeding a second type (3b) of shredded tobacco through the supply header (4) and the input hopper (2) to fill the manufacturing machine (1) completely before starting up supply of the paper strip (22).